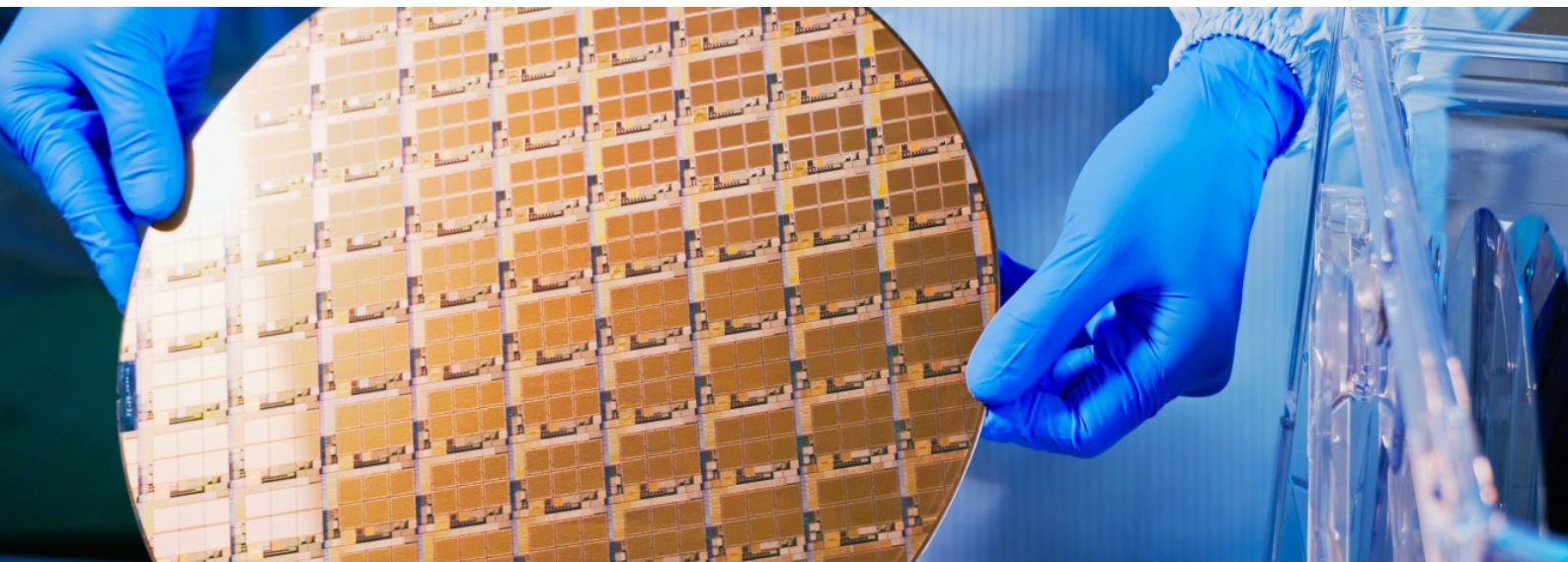




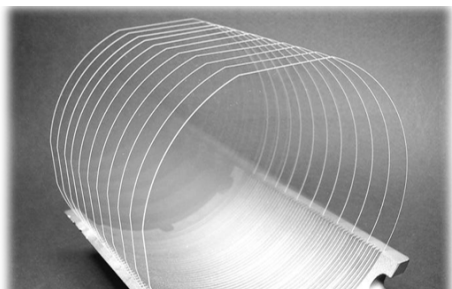
SEMICONDUCTOR WAFERS



- ▶ **Silicon Wafers (Si):** Customizable, From 1 wafer to > 10'000pcs. For R&D and mass production, Ingots, lapped, ground patterned or coinroll wafers.
- ▶ **Silicon-On-Insulator (SOI):** Low MOQ, customizable
- ▶ **Silicon Carbide (SiC):** LOW MOQ, stable supply customizable, ingots available.
- ▶ **Germanium (Ge), Gallium Nitride (GaM), Gallium Arsenide (GaAs), Indium Phosphide (InP), Indium Arsenide (InSb), β -GA203**

Silicon Wafers (SI)				
Wafer Size		1-18inch	Resistivity	>0.001 Ω cm <0.02 Ω cm 1-100 Ω cm >1000 Ω cm >10'000 Ω cm >20'000 Ω cm
Growth	Met-	CZ/FZ	Grade	Dummy, Mechanical, Test, Prime
Orientation		<100> $\pm$ 1° <111> $\pm$ 1° <110> $\pm$ 1°		

INSULATOR WAFERS (TRANSPARENT WAFERS)



- ▶ Glass
- ▶ Quartz
- ▶ Sapphire (Al₂O₃)
- ▶ Fused Silica
- ▶ Borofloat33
- ▶ Magnesium Oxide (MgO)
- ▶ Titanium Dioxide (TiO₂)
- ▶ Lithium Niobate (LiNbO₃)

PEROVSKITE WAFERS



- NdGaO₃
- SrLaAlO₄
- SrLaGaO₄
- SrTiO₃
- Nb-doped SrTiO₃
- BaTiO₃
- LaAlO₃
- DyScO₃
- GdScO₃

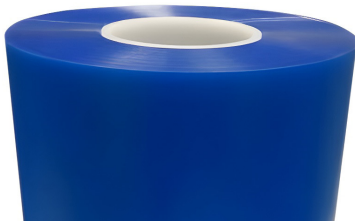
Low MOQ and Customizable for Ferroelectric, Optoelectronic, Superconductor, Dielectric applications

SERVICE



- Thin, Film, Metal, Film other
- Precision grinding and thinning
- Dicing (Fully Customizable)
- Lithography (4inch - 12inch)
- Bumping (8-12inch)
- Bonding (2inch -12 inch)

TAPE



- Dicing Tape
- Back-Grinding Tape
- Bumped Tape

D&X offers UV tape, designed to be peeled using UV light (also referred to as UV tape).

Additionally, we provide non-UV tape, which exhibits lower viscosity yet remains safe to peel when following the appropriate procedure.

Tailoring to the specific requirements of our clientele, we offer customization options for tape specifications.

Moreover, we specialize in the development of novel tape variants based on customer demand.

Our Company

Since 2008, D&X has been a trusted partner in the semiconductor industry, delivering high-quality materials and processing services – Made in Japan.

Our portfolio includes advanced semiconductor tapes and wafers, along with dicing, bonding, grinding, and film deposition services – all with a strong focus on precision and fast turnaround.

For customers in Switzerland and Europe, Hilpert electronics is your official distributor, providing local expertise, support, and short delivery times directly from our partner in Japan.

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